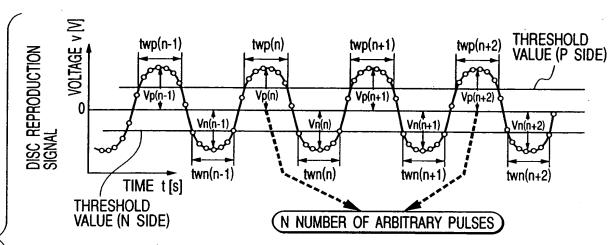


FIG. 3



AMPLITUDE: \cdots , Vp(n-1), Vp(n), Vp(n+1), Vp(n+2), \cdots [P SIDE]

..., Vn(n-1), Vn(n), Vn(n+1), Vn(n+2), ... [N SIDE]

PULSE WIDTH: ..., twp(n-1), twp(n), twp(n+1), twp(n+2), ... [P SIDE]

 \cdots , twn(n-1), twn(n), twn(n+1), twn(n+2), \cdots [N SIDE]

STATISTIC CALCULATION PROCESS OF AMPLITUDE VALUE Vp on Continuous disc reproduction signal pulses from a^{th} to \mathfrak{b}^{th}

AVERAGE VALUE: $\overline{Vp} = \frac{1}{(b-a+1)} \sum_{k=a}^{b} Vp(k)$

DISPERSION VALUE: $S_{Vp}^2 = \frac{1}{(b-a+1)} \sum_{k=a}^{b} \{Vp(k) - \overline{Vp}\}^2$

STANDARD DEVIATION VALUE: $S_{vp} = \sqrt{S_{vp}^2}$

FIG. 4

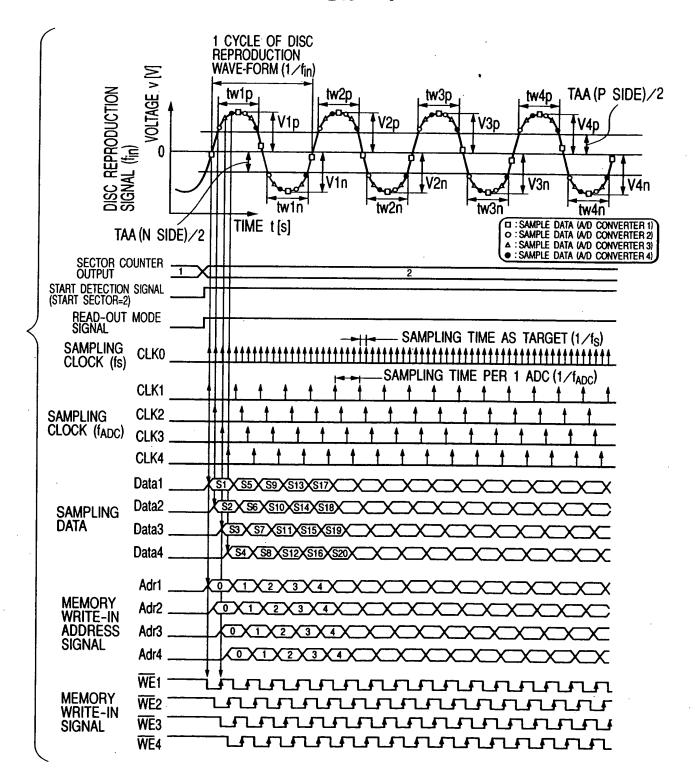
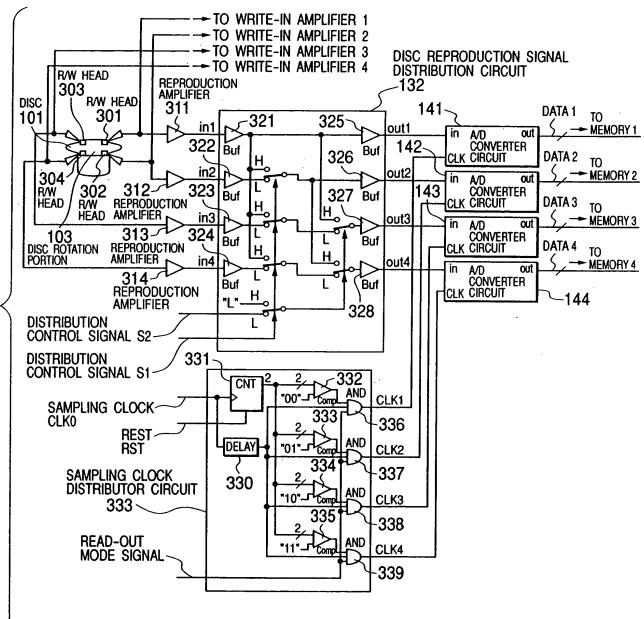


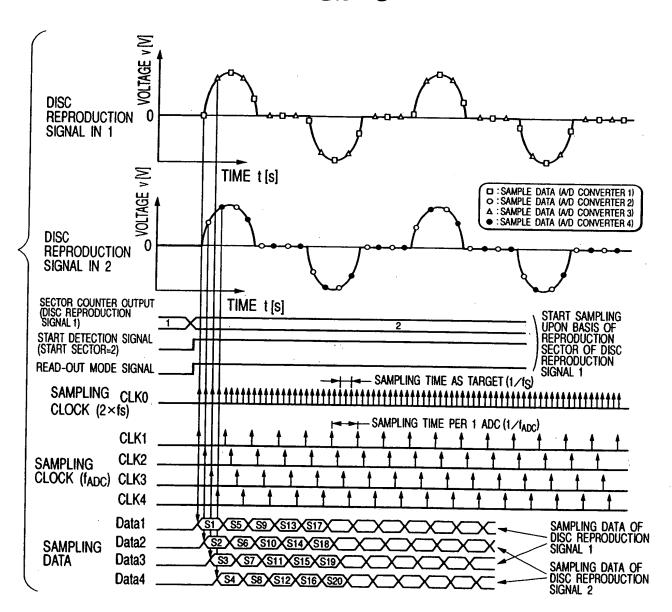
FIG. 5

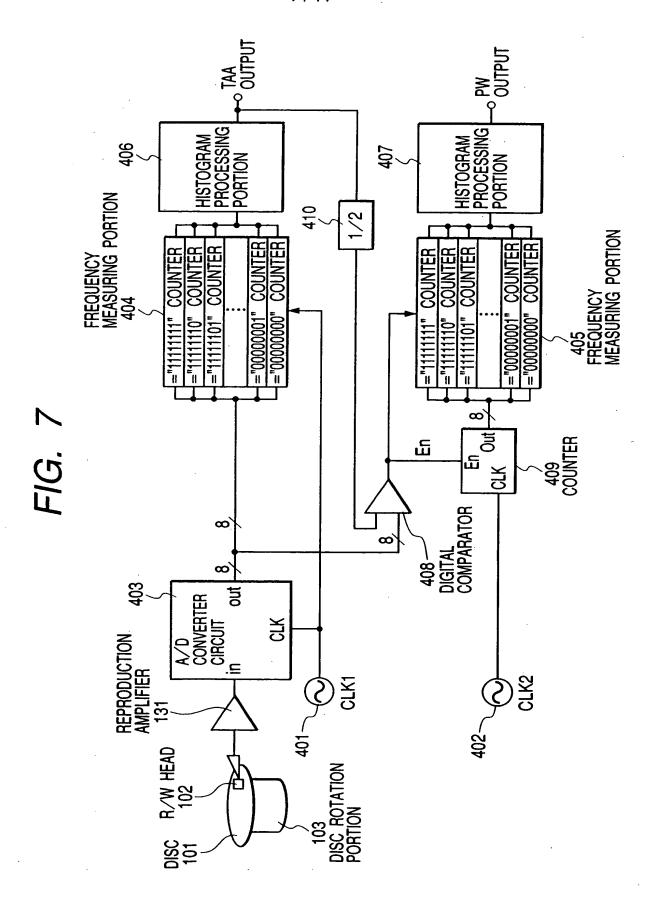


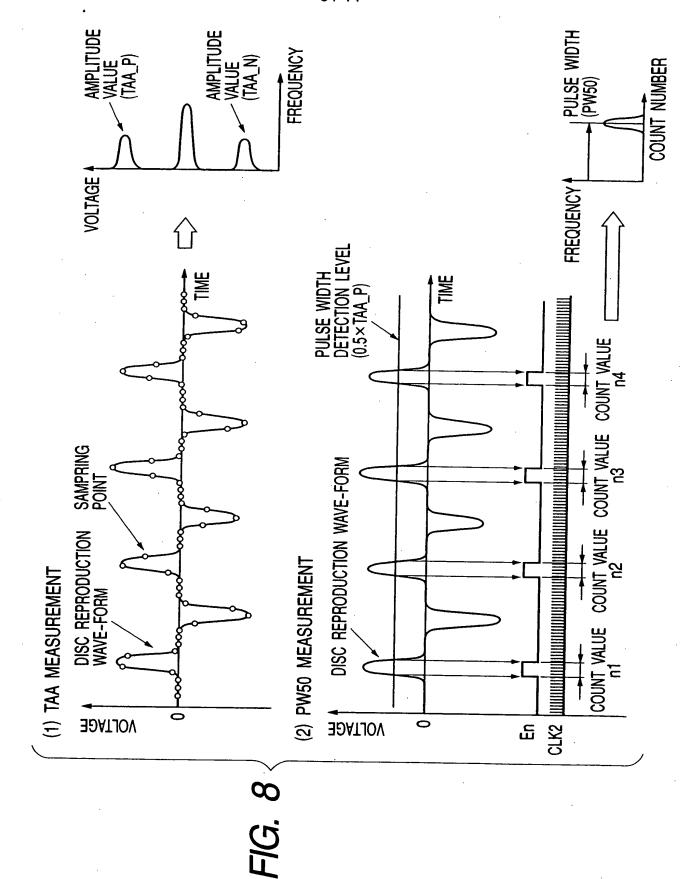
INPUT/OUTPUT CONTROL IN DISC REPRODUCTION SIGNAL DISTRIBUTOR CIRCUIT

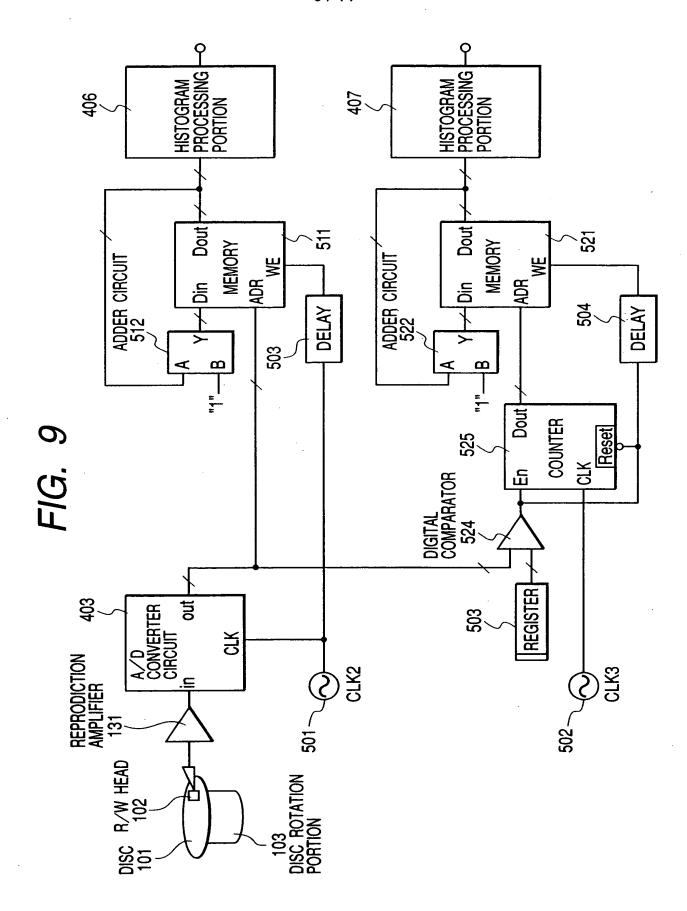
DISTRIBUTION CONTROL SIGNAL		DISTRIBUTION CONTROL OUTPUT				INPUT : OUTPUT DISTRIBUTION
S1	S2	out1	out2	out3	out4	RATE
Н	H	in1	in1	in1	in1	1:4
	L	in1	_ in1	in1	in1	1:4
L	Н	in1	in2	in1	in2	2:4
	L	in1	in2	in3	in4	4:4

FIG. 6









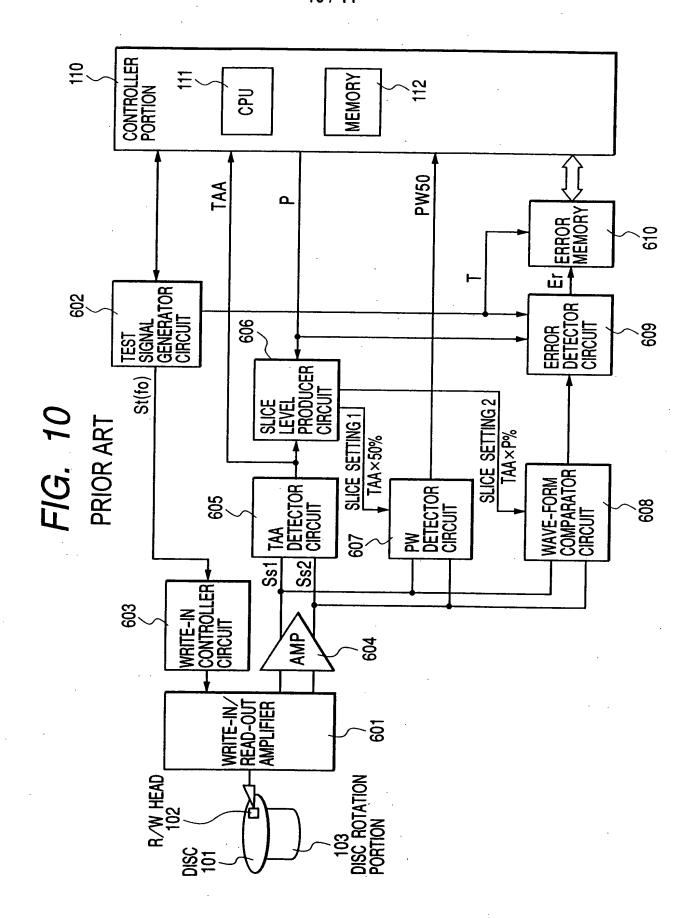
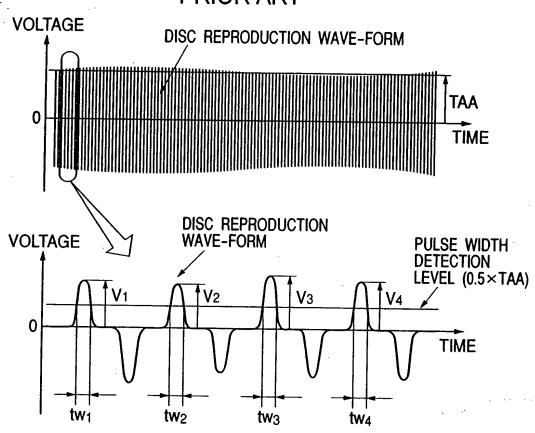


FIG. 11

PRIOR ART



$$TAA = \frac{1}{n} \sum_{i=1}^{n} V_i$$

HOWEVER, TAA: MEASUREMENT VALUE OF TAA,

n: PULSE NUMBER OF DISC REPRODUCTION SIGNAL PER 1 TURN OF DISC, AND

VI : PEAK VOLTAGE VALUE OF DISC REPRODUCTION SIGNAL PULSE.

$$PW = \frac{1}{n} \sum_{i=1}^{n} tw_i$$

HOWEVER, PW: MEASUREMENT VALUE OF PW,

n: PULSE NUMBER OF DISC REPRODUCTION SIGNAL PER 1 TURN OF DISC, AND

twi: PULSE WIDTH OF DISC REPRODUCTION SIGNAL PULSE EXCEEDING REFERENCE VOLTAGE.